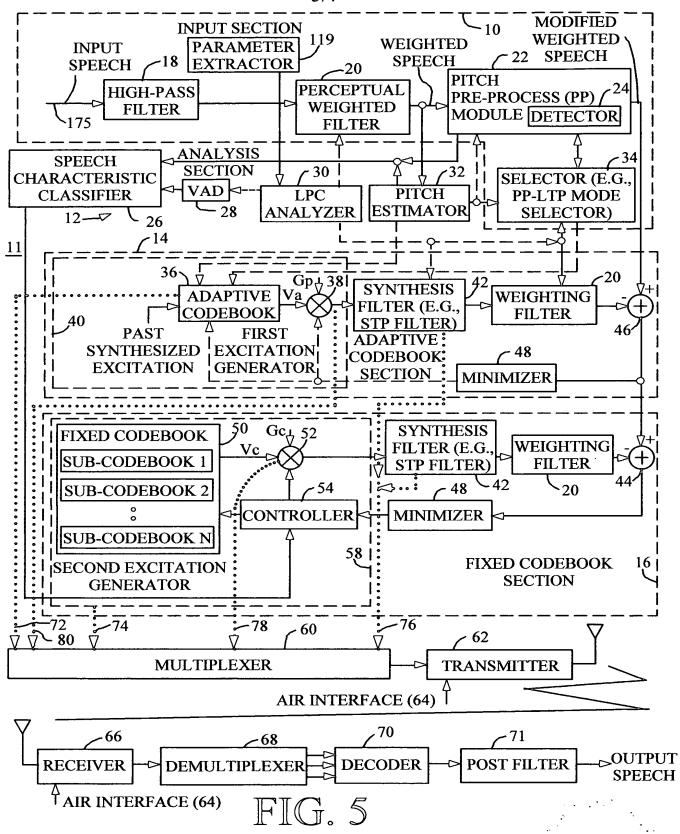


4/7 - S10 ASSUME THE SPECTRAL RESPONSE OF A SPEECH SIGNAL IS SLOPED IN ACCORDANCE WITH A DEFINED CHARACTERISTIC SLOPE (E.G., AN MIRS SIGNAL RESPONSE). **S12** ACCUMULATE SAMPLES (E.G., FRAMES) OF THE SPEECH SIGNAL OVER AT LEAST A MINIMUM SAMPLING DURATION (E.G., 2-4 SECONDS). · S14 AVERAGE THE ACCUMULATED SAMPLES ASSOCIATED WITH THE MINIMUM SAMPLING DURATION TO OBTAIN AN AVERAGED REPRESENTATIVE SAMPLE. -S16 COMPARE THE AVERAGED REPRESENTATIVE SAMPLE TO REFERENCE DATA IN A REFERENCE DATABASE OF SPECTRAL CHARACTERISTICS, INCLUDING AT LEAST ONE OF THE DEFINED CHARACTERISTIC SLOPE AND A FLAT SPECTRAL RESPONSE. **S18** DOES A SLOPE OF THE REPRESENTATIVE SAMPLE OF THE SPEECH SIGNAL CONFORM TO THE DEFINED CHARACTERISTIC SLOPE AS DETERMINED BY THE COMPARISION? YES -S20 NO SELECT AT LEAST ONE FIRST CODING PARAMETER VALUE ASSOCIATED WITH THE DEFINED CHARACTERISTIC SLOPE. -S21 APPLY THE AT LEAST ONE FIRST CODING PARAMETER VALUE TO CODING OF THE SPEECH SIGNAL. S22 IS THE SPECTRAL RESPONSE OF THE REPRESENTATIVE SAMPLE OF THE SPEECH SIGNAL NO. GENERALLY FLAT AS DETERMINED BY THE **COMPARISION? S23** YES S24 SELECT AT LEAST ONE SECOND CODING APPLY THE AT LEAST ONE SECOND PARAMETER VALUE ASSOCIATED WITH CODING PARAMETER VALUE TO THE FLAT SPECTRAL RESPONSE. CODING OF THE SPEECH SIGNAL. **S26 END** 

FIG. 4

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Patent Application for:
lection Of Coding Parameters Based
Spectral Content Of The Speech Signal
Inventor: Yang Gao and Huan-yu Su
Serial No. 09/783,822

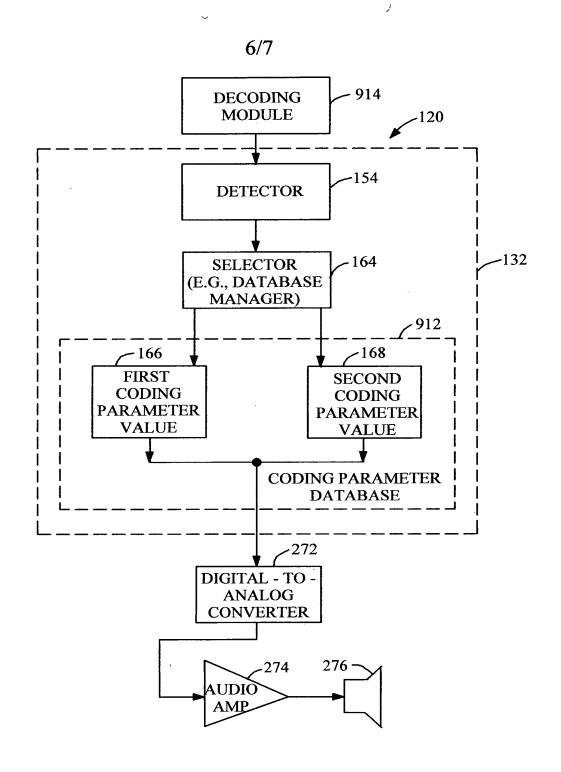


FIG. 6

